FIG. 1

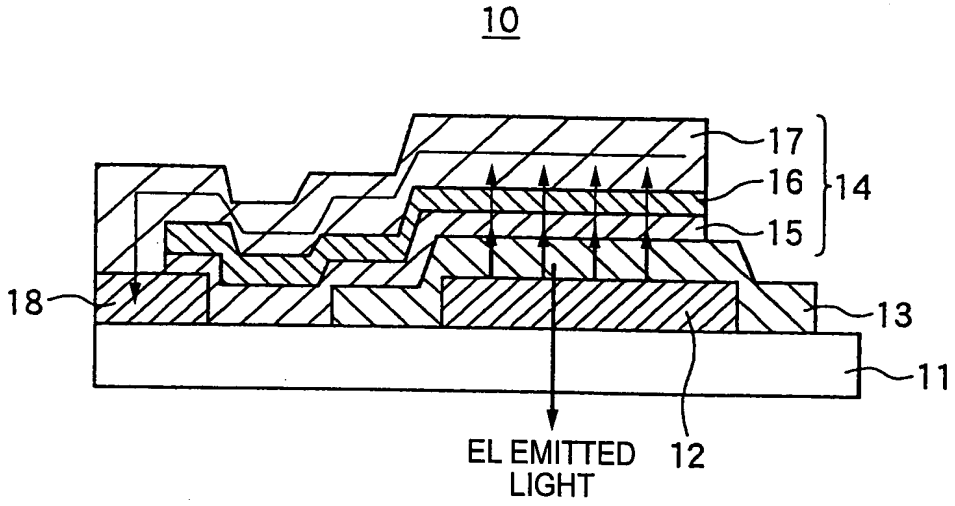

10
17
16
15
14
18
13
11
EL EMITTED LIGHT
12

FIG. 2

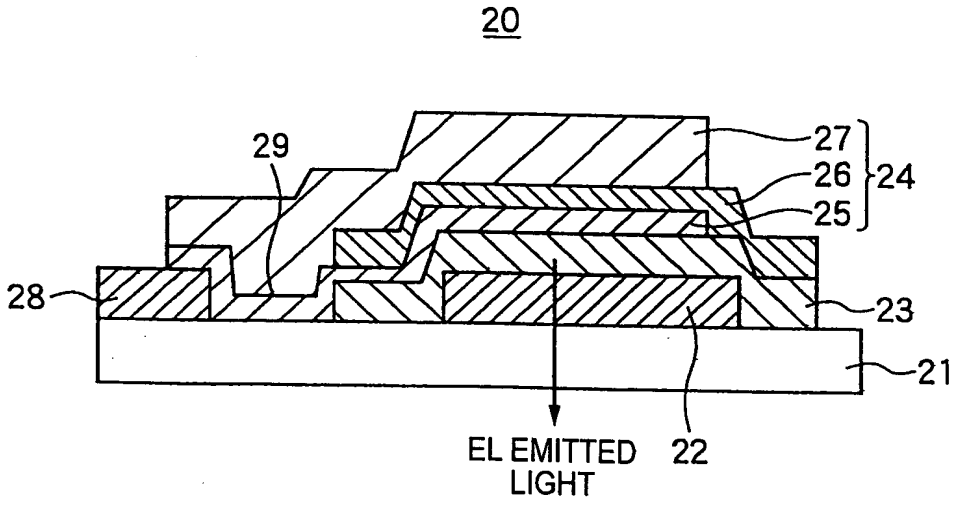

20
29
27
26
25
24
28
23
21
EL EMITTED LIGHT
22

FIG. 3

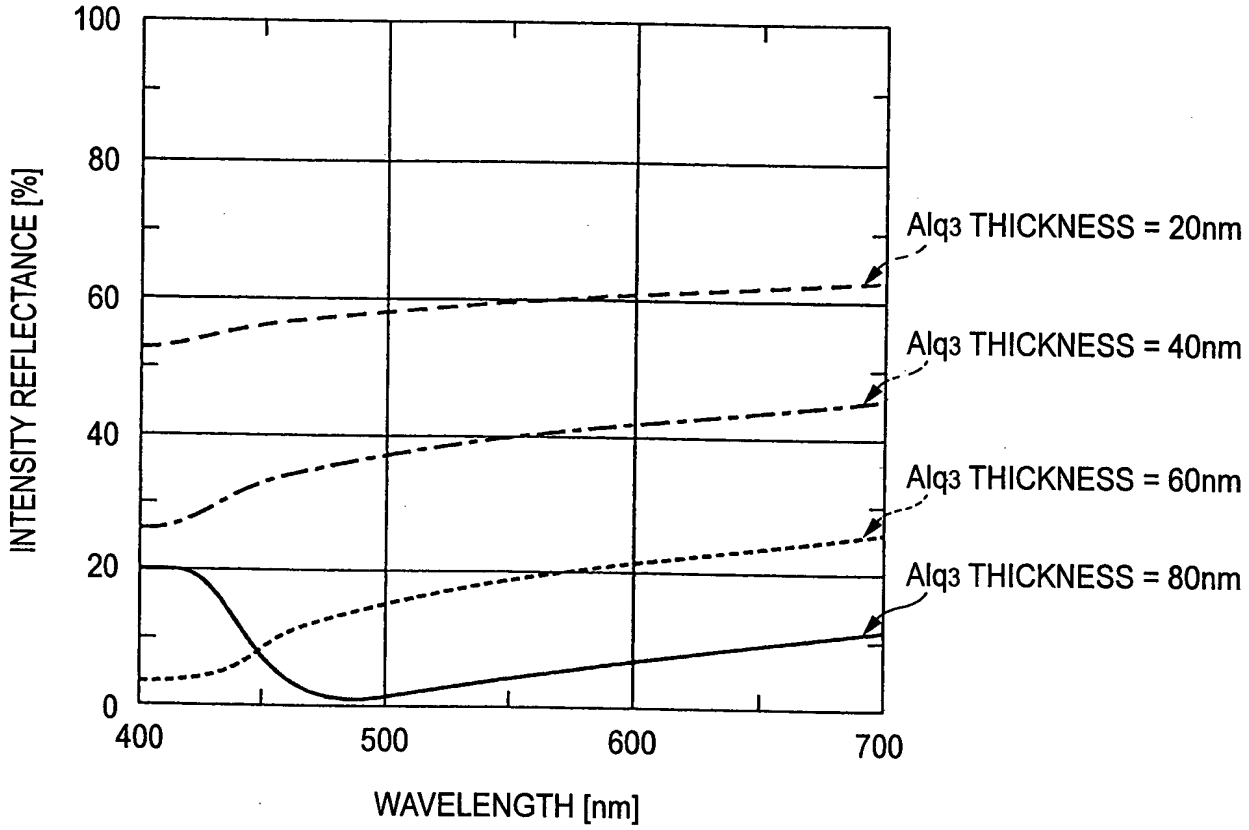

100
80
60
40
20
0
400
500
600
700
INTENSITY REFLECTANCE [%]
WAVELENGTH [nm]
Alq3 THICKNESS = 20nm
Alq3 THICKNESS = 40nm
Alq3 THICKNESS = 60nm
Alq3 THICKNESS = 80nm

FIG. 4

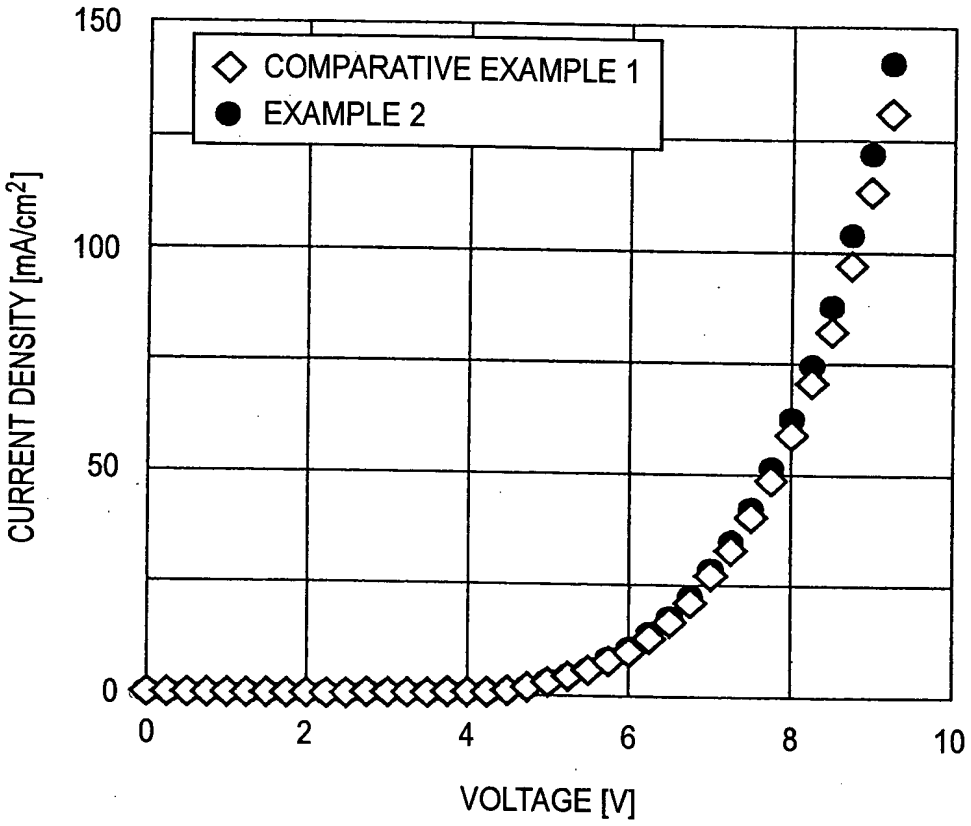

150
100
50
0
CURRENT DENSITY [mA/cm2]
COMPARATIVE EXAMPLE 1
EXAMPLE 2
0
2
4
6
8
10
VOLTAGE [V]

FIG. 5

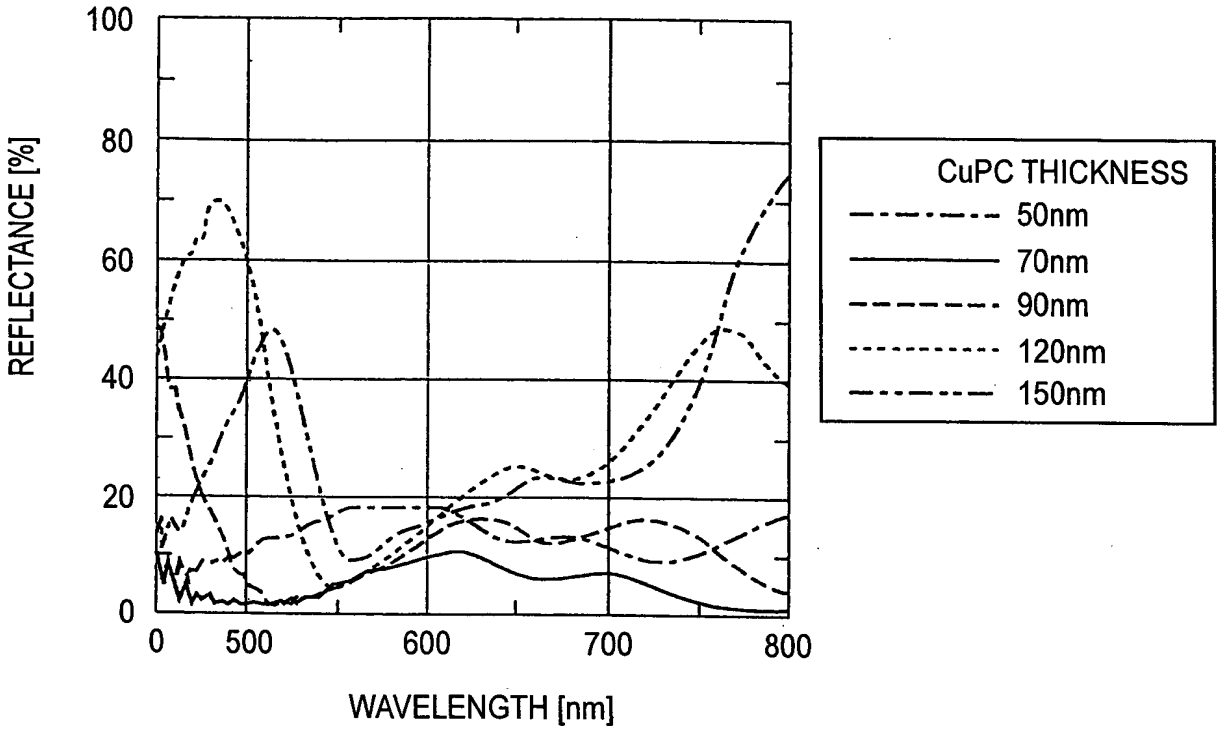

100
80
60
40
20
0
REFLECTANCE [%]
0
500
600
700
800
WAVELENGTH [nm]
CuPC THICKNESS
50nm
70nm
90nm
120nm
150nm

FIG. 6

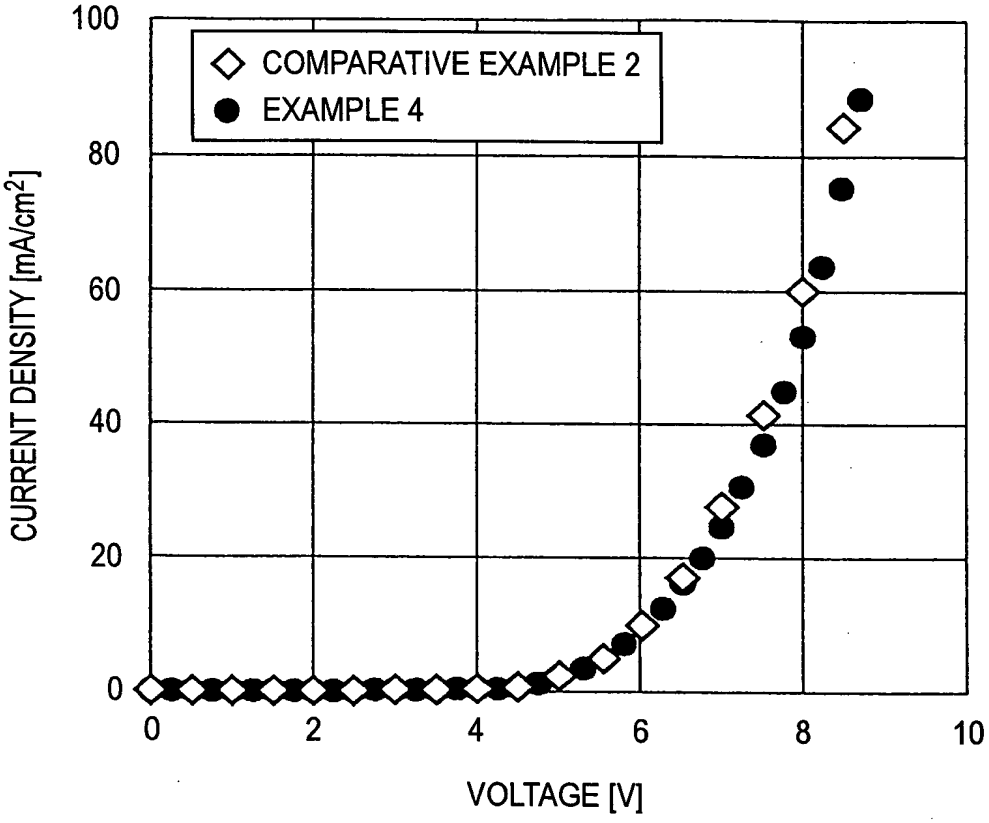

100
80
60
40
20
0
CURRENT DENSITY [mA/cm2]
COMPARATIVE EXAMPLE 2
EXAMPLE 4
0
2
4
6
8
10
VOLTAGE [V]

FIG. 7

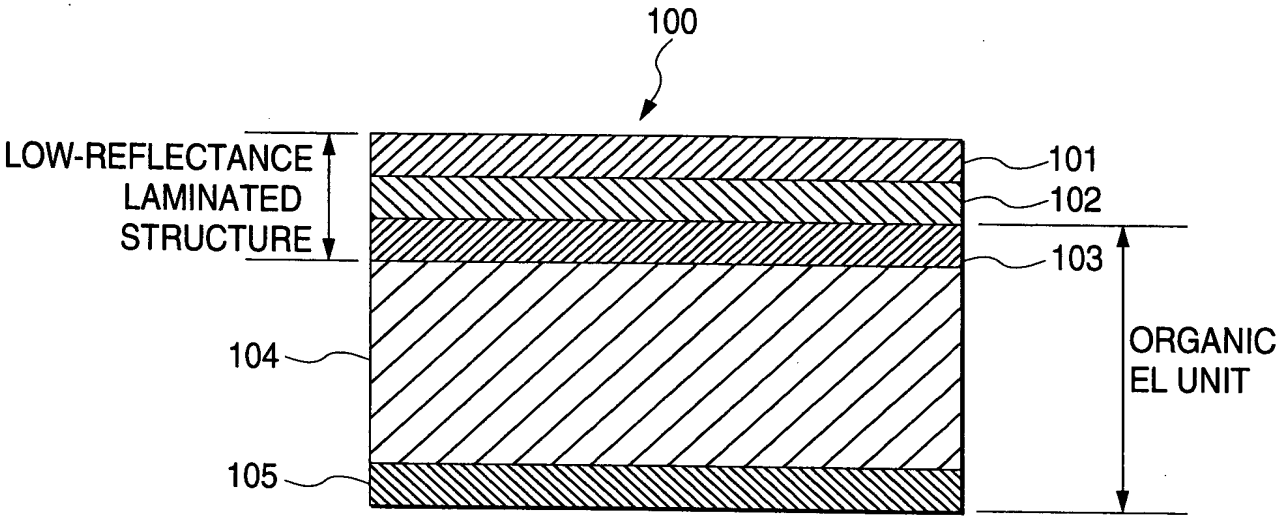

100
LOW-REFLECTANCE LAMINATED STRUCTURE
101
102
103
ORGANIC EL UNIT
104
105

FIG. 8

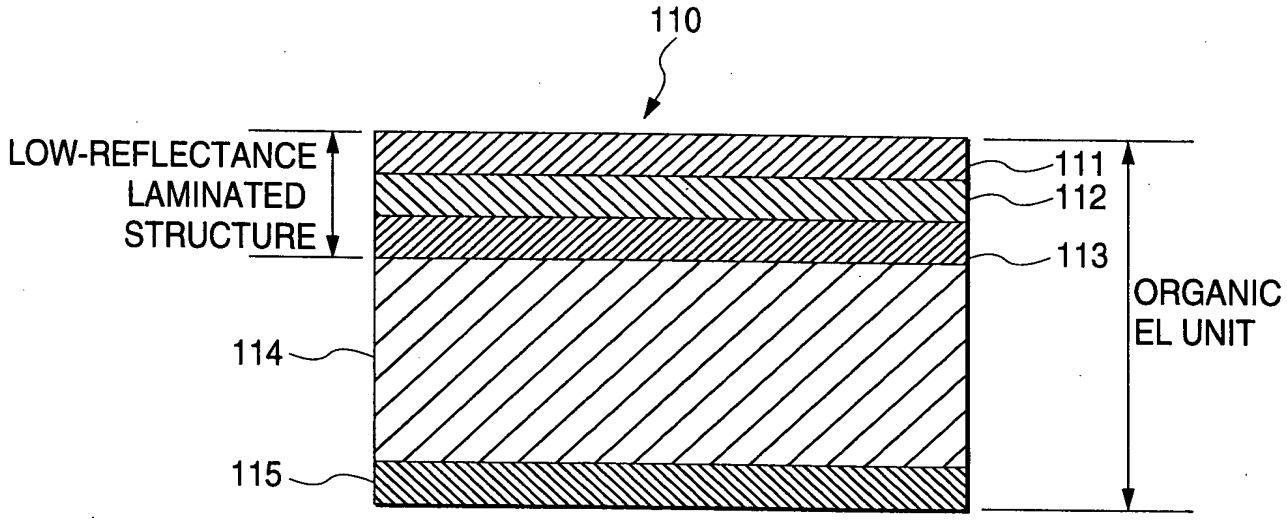

110
LOW-REFLECTANCE LAMINATED STRUCTURE
111
112
113
ORGANIC EL UNIT
114
115

FIG. 9

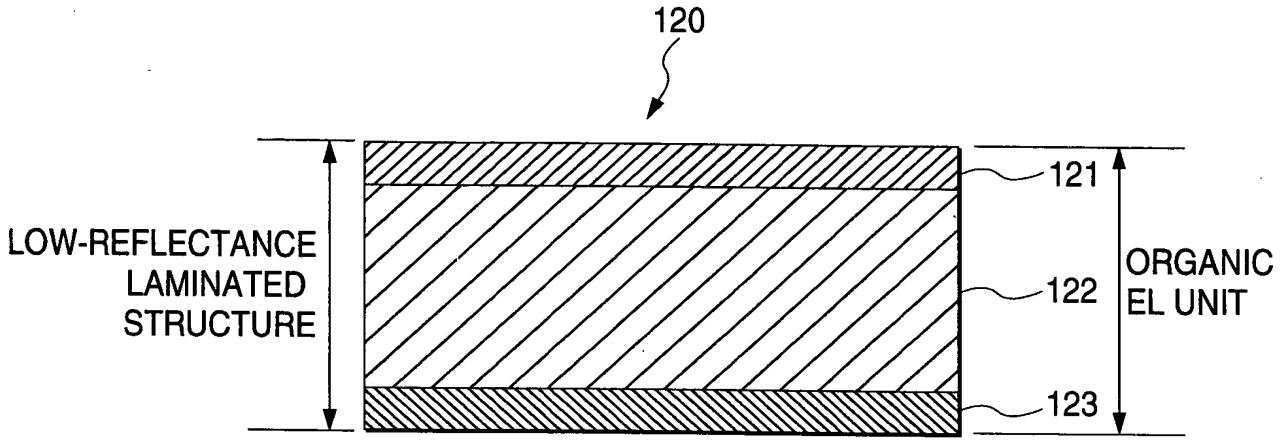

120
LOW-REFLECTANCE LAMINATED STRUCTURE
121
122
123
ORGANIC EL UNIT

FIG. 10

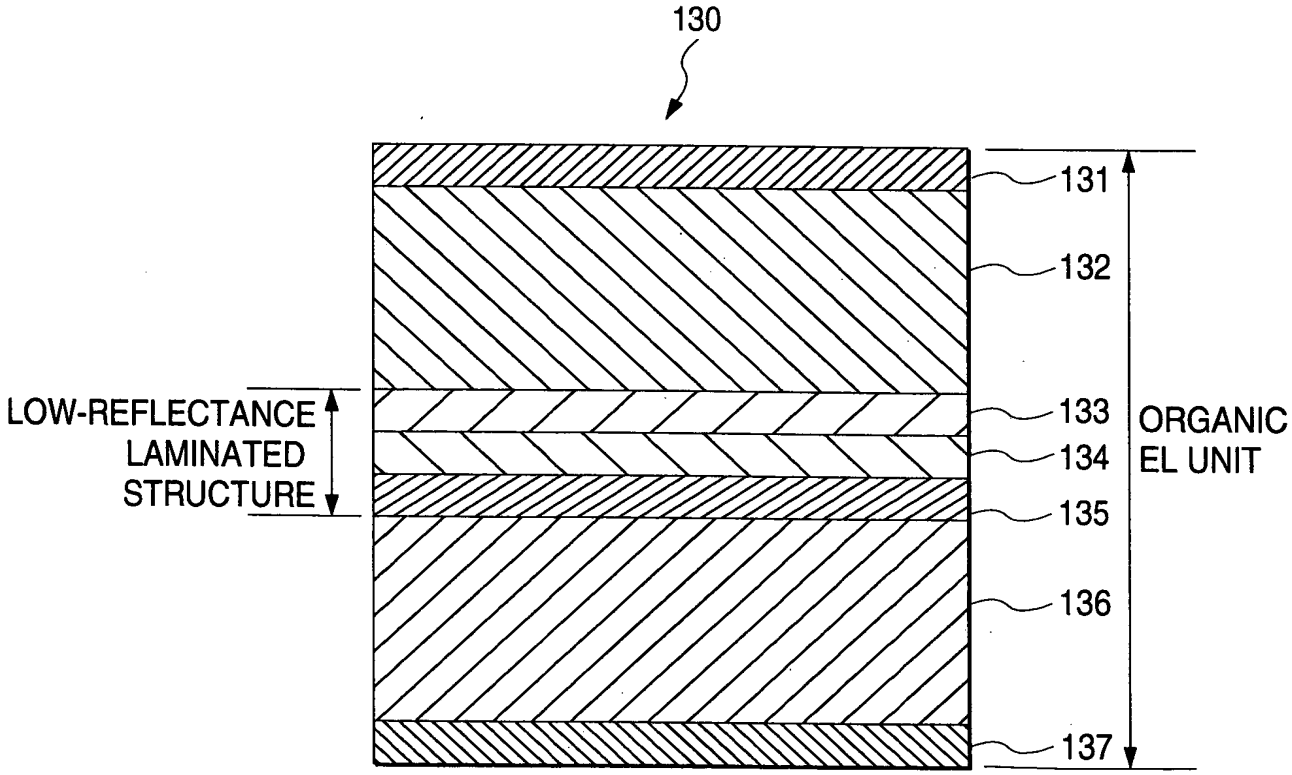
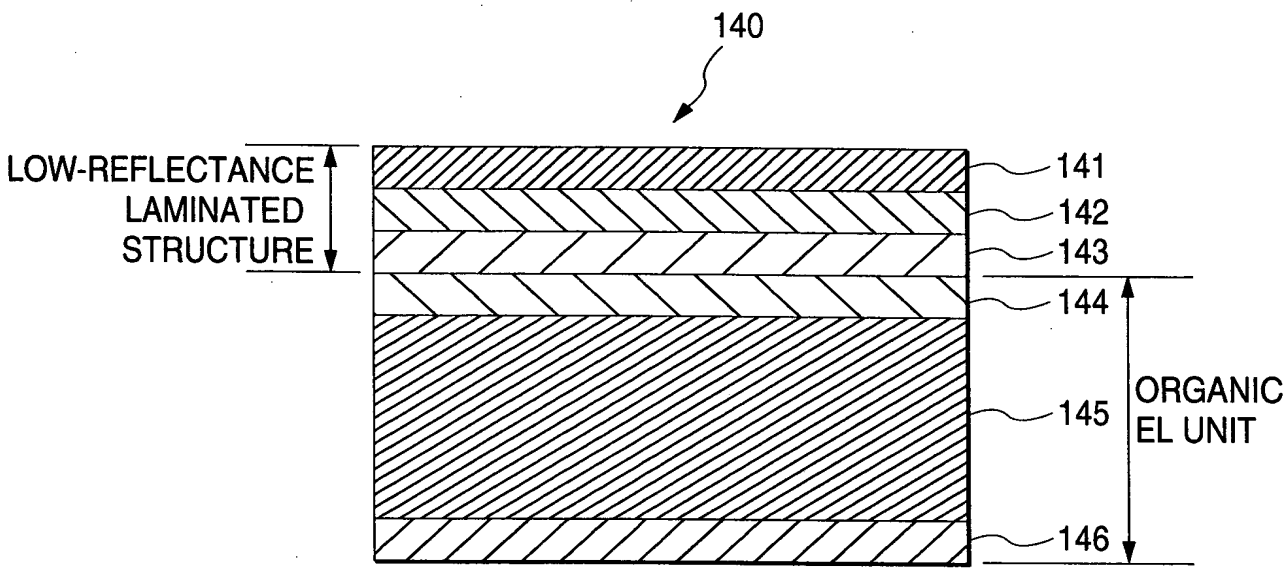

130
LOW-REFLECTANCE LAMINATED STRUCTURE
131
132
133
134
135
136
137
ORGANIC EL UNIT

FIG. 11


140
LOW-REFLECTANCE LAMINATED STRUCTURE
141
142
143
144
145
146
ORGANIC EL UNIT